Assembly Instructions

Stools: Models 425 and 427

MODEL 425

MODEL 427

(The above models are shown with optional items attached.)

Introduction

These assembly instructions are intended to assist you in assembling Midmark's Model #425 and #427 Stools. Please follow these instructions to assure proper assembly.

Unpacking

EQUIPMENT ALERT

To avoid damage, do not use a knife or any other sharp object for opening cartons.

Assembly

Remove the stool from the carton. Depending on the optional items that you purchased, assemble the stool in the following order:

- Optional Lab Height Kit Assembly
- Optional Armrest Assembly
- Optional Backrest Assembly
- Seat Assembly

Optional Lab Height Kit Assembly

Place the base stool on its side. Remove the roller base from the gas cylinder by using a hammer to pound the roller base from the gas cylinder. To prevent marking, use a piece of cardboard or wood over the roller base before striking it. Strike as close to the gas cylinder as possible and rotate to a different leg with each blow. After you have removed the roller base, use the supplied 1/8 Allen Key to insert the setscrew into the foot ring as shown in Figure 1. Seat the setscrew firmly to prevent the foot ring from rotating around the tube. Insert the gas cylinder into the extension tube (see Figure 1). Finally, insert the extension tube into the roller base.

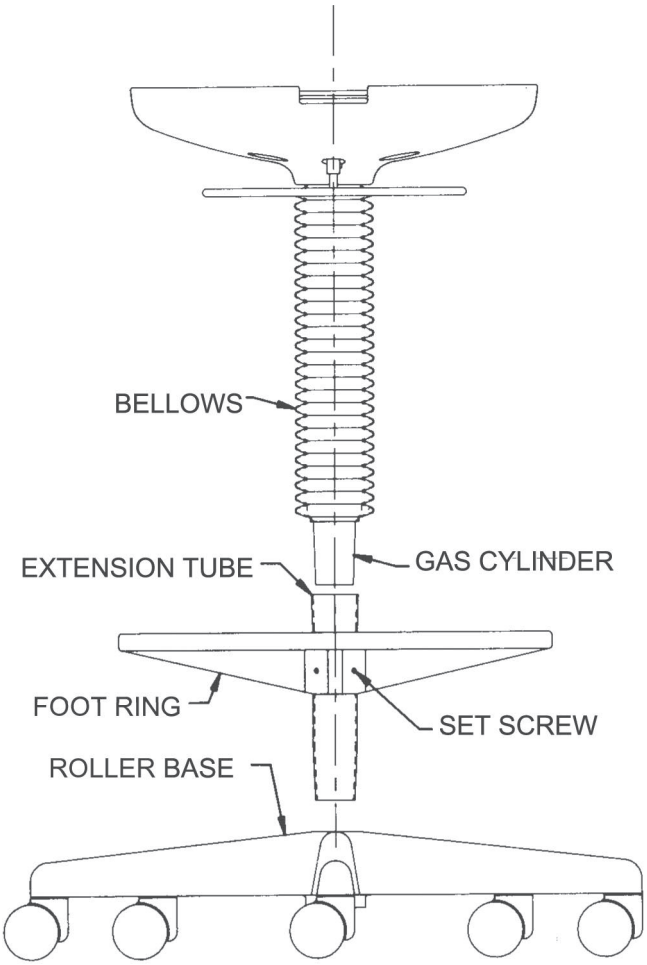

FIGURE 1

NOTE

If you have ordered a Lab Height Kit, please assemble the Lab Height Kit to the base stool first. We suggest that no armrests or backrests be mounted to the stool during the lab height assembly.

NOTE

The Lab Height Kit cannot be used on 427 Foot Release Models.

Armpad
Angular
Adjustment

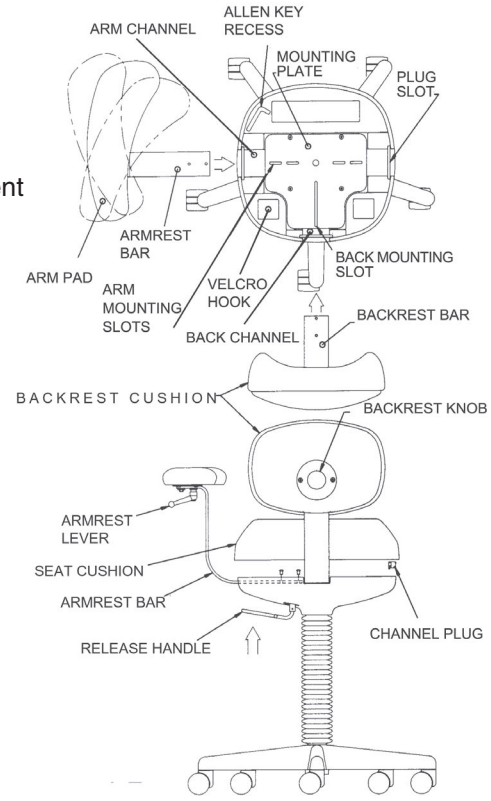

FIGURE 2

Optional Armrest Assembly

FIGURE 3

Insert the armrest bar into the arm channel and under the mounting plate (see Figure 2). Align the two tapped holes in the armrest bar with the two arm mounting slots in the mounting plate. Using the supplied 5/32 Allen Key, drive the two 1/4-20 x 3/8 screws through the mounting plate and into the armrest bar. Repeat the above procedure with the other armrest. After tightening the last screw, place the Allen Key into the Allen Key recess.

Optional Backrest Assembly

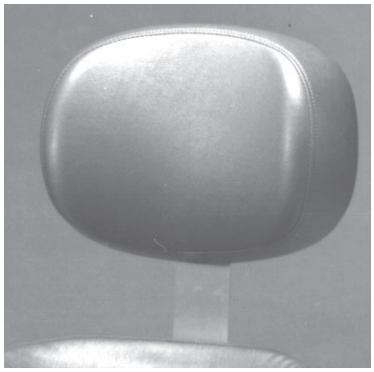

FIGURE 4

Insert the backrest bar into the back channel and under the mounting plate (see Figure 2). Align the tapped holes in the backrest bar with the back mounting slot in the mounting plate. Using the supplied 5/32 Allen Key, drive the two 1/4 - 20 x 3/8 screws through the mounting plate and into the backrest bar. Tighten the screws and place the Allen Key into the Allen Key recess.

Seat Assembly

FIGURE 5

Insert the three channel plugs into the plug slots--if needed (see Figure 2). You'll find the channel plugs in the small parts bag.

Remove the seat cushion from its carton. Align the three velcro patches on the bottom of the seat cushion with the three velcro hook patches on the base stool. Then, place the seat cushion onto the base stool. If the cushion isn't centered on the base stool, pull the cushion up and try again.

Adjustments

Height Adjustment of Stool

Lower the 425 stool by grasping the release handle, (see Figure 2) and pull up. This will open the valve in the gas cylinder. The weight of the operator will compress the gas in the cylinder allowing the stool seat to lower. Once the desired height is reached, release the handle. The handle will snap back to its original position locking the cylinder's vertical position.

To raise the stool, grasp the handle and pull up. While holding the handle up, remove the operator's weight from the stool top. By removing the weight from the stool top, the compressed gas in the cylinder can exert enough thrust to force the seat up to the desired position. When the desired position is reached, release the handle.

In units with the foot release (Model 427), the valve in the gas cylinder is opened and closed by the action of the foot pedal instead of the release handle. The valve is opened by pressing down on the pedal and is closed by releasing the pedal.

Backrest Adjustment

The backrest has two adjustments: in-and-out and up-and-down. Adjust in or out by removing the cushion and loosening the two 1/4-20 x 3/8 screws with the supplied 5/32 Allen Key. Position the backrest by pushing or pulling the backrest bar at the base. Tighten the two 1/4-20 x 3/8 screws when the desired position is achieved.

Up-and-down adjustment is obtained by loosening the backrest knob (turning counterclockwise) and lifting or lowering the backrest cushion. When the desired position is reached, tighten the backrest knob (turning clockwise).

Armrest Adjustment

Each armrest has two adjustments: in-and-out and angular. In-and-out adjustment is obtained by removing the cushion and loosening the two 1/4-20 x 3/8 screws using the supplied Allen Key. Position the armrest by pushing or pulling the armrest bar at its base. When the desired position is reached, tighten the two 1/4-20 x 3/8 screws on each arm.

Angular adjustment of the arm pad can be obtained by turning the arm lever a half-turn in. Adjust the arm pad to the desired angular position and turn the arm lever a half-turn out to lock into place.

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Midmark Corporation, Versailles, Ohio 45380 U.S.A.
937-526-3662 TELEX 288007 FAX 937-526-5542